Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-07-20
Investment Auto Submission Date: 2012-02-16
Date of Last Investment Detail Update: 2012-02-16
Date of Last Exhibit 300A Update: 2012-04-23
Date of Last Revision: 2012-07-20

Agency: 429 - Nuclear Regulatory Commission **Bureau:** 00 - Agency-Wide Activity

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: Incident Response System (IRS)

2. Unique Investment Identifier (UII): 429-000002005

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

The United States Nuclear Regulatory Commission's (NRC) mission is to regulate the Nation's civilian use of byproduct, source, and special nuclear materials to ensure adequate protection of public health and safety, to promote the common defense and security, and to protect the environment. NRC's Office of Nuclear Security and Incident Response (NSIR) is responsible for the effective operation of the NRC's emergency preparedness and incident response programs. In order to carry out these critical responsibilities, NSIR Headquarters Operations Center (HOC) and Operations Officers, within the HOC, continuously (24x7) receive and document telephone notifications issued by nuclear power plant operators, fuel cycle facility operators, and others. In order to meet its mission, Operational readiness for the HOC is supported by the four major support systems: (1) Operations Center Information Management System (OCIMS), a system that includes a range of services for data, display and voice; (2) Emergency Response Data System (ERDS), an analytical system used by NRC licensees to transmit reactor data points to the HOC for independent safety analysis; (3) Emergency Telecommunications System (ETS), the system of telephone circuits and equipment that NRC relies on during an emergency to communicate with all commercial nuclear power plants (NPPs) and major fuel cycle facilities; and (4) Secure Video Teleconferencing System (SVTC) provides a secret level video conferencing capability to perform classified face to face coordination with other government agencies. There are no

dependencies between this investment and other investments. Also note that this investment is unique in the service provided. All the systems associated with the IRS investment are only activated if there is an event.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

One of the major activities of the NRC is to maintain a program to respond to incidents involving NRC licensees, and conduct a program of emergency preparedness and response exercises for licensed nuclear facilities. Sharing information quickly among the NRC, responding with other Federal agencies, and with the nuclear industry is critical to responding promptly to any incident. The NRC staff supports several important Federal Information Collection Requests (ICRs) for inter-agency coordinated assessments of event-related information. The NRC Headquarters Operations Center (HOC), located in the agency's headquarters in Rockville, Maryland, is staffed around the clock to disseminate information and coordinate responses. In order to support this activity, the NRC's Office of Nuclear Security and Incident Response (NSIR), is responsible for the effective operation of the HOC. The HOC is staffed by two Headquarter Operations Officers (HOOs), who receive and document telephone notifications issued by NRC licensees. Written reports of these notifications are distributed for review, and for various follow-up actions. A small number of these notifications trigger activation of the NRC Incident Response Plan, under which response teams use the facilities in the HOC, in the Regional Offices, and at the nuclear power plant sites to fulfill the NRC mission of ensuring that the public is protected. IRS's key role in supporting incident response operations is vital. If program is not fully funded to continue contract support for operations and maintenance of the IRS investment, this would mean that IRS and its various subsystems would be operating unsupported and at risk. Should a component of the system fail, or its performance degrades for any reason, there would be no contract support services in place to resolve the issues. If a system is not properly maintained on a daily basis, system degradation can generally be expected to begin taking place within a matter of weeks, and system failure is inevitable at some point. The IRS's systems must be maintained in a highly operable status. If IRS s systems were not fully funded their performance would be degraded, and could significantly impair their ability to communicate and could jeopardize NRC mission of ensuring that the public is adequately protected.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

IRS's accomplishments for FY2011 were as follows: (1) completed the transitioning of data transmission to NRC from modem to VPN at 74 out 104 licensees; (2) completed ERDS training server refresh; (3) completed technical refresh for voice conferencing, E-Library system, blade stations, HOO servers, HP scanners, printers, faxes, workstations, infrastructure servers; (4) awarded OCIMS O&M new contract; and (5) completed and maintained all annual Authority to Operate (ATO) annual updates (Security Plan, Contingency Plan and quarterly scans and POA&M activities).

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

IRS's goals for FY2012 are to complete transitioning of all Licensees (104 units) from modem to VPN, complete ERDS three years ATO renewal, and complete technical refresh for satellite antenna system, network switches and routers. IRS's planned accomplishments for FY2013 are to complete the move of the Headquarters Operations Center from the TWFN building to the new facility at 3WFN building and refresh all the facility equipment.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2010-12-08

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$1.8	$0.0	$0.0	$0.0
DME (Excluding Planning) Costs:	$9.1	$0.0	$0.0	$0.0
DME (Including Planning) Govt. FTEs:	$0.7	$0.0	$0.0	$0.0
Sub-Total DME (Including Govt. FTE):	$11.6	0	0	0
O & M Costs:	$17.0	$3.2	$3.3	$3.6
O & M Govt. FTEs:	$1.2	$0.0	$0.5	$0.4
Sub-Total O & M Costs (Including Govt. FTE):	$18.2	$3.2	$3.8	$4.0
Total Cost (Including Govt. FTE):	$29.8	$3.2	$3.8	$4.0
Total Govt. FTE costs:	$1.9	0	$0.5	$0.4
# of FTE rep by costs:	9	3	3	3
Total change from prior year final President's Budget ($)		$0.0	$-0.1	
Total change from prior year final President's Budget (%)		0.00%	-2.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

This minor percentage change is due to a small reduction on the overall contract support for the investment.

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	3100	GS00T07NSD0008									
Awarded	3100	NRCHQ11C070015									
Awarded	3100	DR 07 06 504									
Awarded	3100	NRC DR 07 10 190									

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:
IRS's contracts are for operational and maintenance support activities. O&M contracts do not require EVMS. As best practices, the PM tracks costs and schedules through monthly project meetings and reviews status reporting to compare planned costs and schedules for assigned support tasks against actuals. The PM has procedures for resolving variances and working with Division of Contracts to activate penalty clauses in the contract for slippages or cost overruns. The ETS contract is a GSA telecommunications services contract; the expected service levels and monthly costs are established. The IRS PM reviews monthly invoices and works with the OIS PM to resolve any problems or variances with service levels and costs. The SVTC contract is a vendor equipment maintenance contract with service levels and maintenance costs. The SVTC PM reviews monthly invoices and status reports to ensure that equipment is properly maintained at expected cost levels.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-07-20

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
1	Emergency Telecommunication System (ETS)	Maintenance activities to support telephone circuits and equipment during an emergency to communicate with all commercial nuclear power plants (NPPs) and major fuel cycle facilities.			
2	Secure Video Telecommunications System (SVTC)	Maintenance activities to support a secret level video conferencing capability to perform classified face to face coordination with other government agencies.			
3	Emergency Response Data System (ERDS)	Maintenance activities to support NRC licensees to transmit reactor data points to the HOC for independent safety analysis.			
4	Operations Center Information Management System (OCIMS)	Maintenance activities to support NRC Headquarters Operations Center technical capabilities that includes a range of services for data, display and voice.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
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1	Emergency Telecommunication System (ETS)							
2	Secure Video Telecommunications System (SVTC)							
3	Emergency Response Data System (ERDS)							
4	Operations Center Information Management System (OCIMS)							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
3	ERDS Maintenance Activities first quarter for FY12	Complete quarterly POA&M (This includes scans and patch upgrades) and complete quarterly testing of licensees' data transmission capabilities.	2011-12-30	2011-12-30	2011-12-29	90	1	1.11%
3	ERDS Maintenance Activities fourth quarter FY12	Complete transitioning of all licensees (except for 6 of the 104 units) from modem to VPN, complete ERDS three years ATO renewal and complete quarterly teting of licensees' data	2012-09-30	2012-09-30		90	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
		transmission capabilities.						

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
FY2012: Percentage of IRS components availability to support event responders and stakeholder who support catastrophic defense functions for nuclear security and public safety.	Percent	Mission and Business Results - Services for Citizens	Over target	1.000000	1.000000	1.000000	1.000000	Semi-Annual
FY2012: Cycle Time allow to respond to IRS's Stakeholders when an emergency is declared.	Hours	Customer Results - Customer Benefit	Over target	2.000000	2.000000	2.000000	1.000000	Quarterly
FY2012: Ratio of electronic access versus paper access to nuclear plant information for incident response licensing and inspection.	Percent	Process and Activities - Management and Innovation	Over target	0.600000	0.600000	0.700000	0.800000	Quarterly
FY2012: Number of licensees to replace the outdated modems with VPN devices for data transmission. This measurement indicator measures the number of licensees who have migrated to VPN per month. Total number of licensees who will need to migrate to VPM are 104	Numeric Ratio	Technology - Efficiency	Over target	48.000000	48.000000	48.000000	104.000000	Monthly
FY2012: Percentage of ERDS availability	Percent	Technology - Effectiveness	Over target	1.000000	1.000000	1.000000	1.000000	Semi-Annual

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
to support event responders and stakeholder who support catastrophic defense functions for nuclear security and public safety.								